



DOCKET NO. 13039.90Div (CRAN18-00090)
Customer No. 23990

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of : David B. Whitten, et al.
Serial No. : 10/796,428
Filing Date : March 9, 2004
Title : METHOD AND SYSTEM FOR ACCOMPLISHING
PRODUCT DETECTION
Group Art : 3629
Examiner : (Not Yet Assigned)

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement.

This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Forms PTO/SB/08A and PTO/SB/08B. Copies of the listed references are submitted herewith.

| <u>U.S. PATENT NO.</u> | <u>INVENTOR</u> | <u>DATE</u> |
|------------------------|-----------------|---------------|
| 645,499 | Vogel | Mar. 13, 1900 |
| 2,571,283 | Nicholson | Oct. 16, 1951 |

DOCKET NO. 13039:90 DIV (CRAN18-00090)
U.S. SERIAL NO. 10/796,428
DIVISIONAL PATENT

| <u>U.S. PATENT NO.</u> | <u>INVENTOR</u> | <u>DATE</u> |
|------------------------|------------------|---------------|
| 2,590,736 | Tandler et al | Mar. 25, 1952 |
| 2,900,521 | Eames | Aug. 18, 1959 |
| 3,025,406 | Stewart et al | Mar. 13, 1962 |
| 3,235,738 | Kress et al | Feb. 15, 1966 |
| 3,461,922 | Niehaus et al | Aug. 19, 1969 |
| 3,704,396 | Macdonald | Nov. 28, 1972 |
| 3,723,737 | Zeldman et al | Mar. 27, 1973 |
| 3,742,222 | Endl | June 26, 1973 |
| 3,746,863 | Pronovost | July 17, 1973 |
| 3,805,061 | De Missimy et al | Apr. 16, 1974 |
| 3,889,118 | Walker | June 10, 1975 |
| 3,901,366 | Schuller et al | Aug. 26, 1975 |
| 4,108,333 | Falk et al | Aug. 22, 1978 |
| 4,174,742 | Murphey | Nov. 20, 1979 |
| 4,252,250 | Toth | Feb. 24, 1981 |
| 4,266,124 | Weber et al | May 5, 1981 |
| 4,310,756 | Sick et al | Jan. 12. 1982 |
| 4,359,147 | Levasseur | Nov. 16, 1982 |
| 4,412,607 | Collins et al | Nov. 1, 1983 |
| 4,480,764 | Takagi et al | Nov. 6, 1984 |
| 4,494,675 | Stutsman | Jan. 22, 1985 |
| 4,573,606 | Lewis et al | Mar. 4, 1986 |
| 4,590,975 | Credle, Jr. | May 27, 1986 |
| 4,776,487 | Kurosawa et al | Oct. 11, 1988 |

DOCKET NO. 13039:90 DIV (CRAN18-00090)
U.S. SERIAL NO. 10/796,428
DIVISIONAL PATENT

| <u>U.S. PATENT NO.</u> | <u>INVENTOR</u> | <u>DATE</u> |
|------------------------|---------------------|---------------|
| 4,869,392 | Moulding, Jr. Et al | Sep. 26, 1989 |
| 4,871,054 | Murray | Oct. 3, 1989 |
| 4,888,532 | Jösson | Dec. 19, 1989 |
| 4,912,316 | Yamakawa | Mar. 27, 1990 |
| 5,015,840 | Blau | May 14, 1991 |
| 5,111,962 | Oden | May 12, 1992 |
| 5,139,127 | Ficken et al | Aug. 18, 1992 |
| 5,201,429 | Hikosaka et al | Apr. 13, 1993 |
| 5,207,784 | Schwartzendruber | May 4, 1993 |
| 5,229,749 | Yenglin | July 20, 1993 |
| 5,238,145 | Pippin | Aug. 24, 1993 |
| 5,261,467 | Yamamoto et al | Nov. 16, 1993 |
| 5,273,183 | Tuttobene | Dec. 28, 1993 |
| 5,276,391 | Jönsson | Jan. 4, 1994 |
| 5,280,845 | Leight | Jan. 25, 1994 |
| 5,303,844 | Muehlberger | Apr. 19, 1994 |
| 5,344,043 | Moulding et al | Sep. 6, 1994 |
| 5,346,466 | Yerlikaya, et al | Sep. 13, 1994 |
| 5,390,711 | Murphey | Feb. 21, 1995 |
| 5,490,610 | Pearson | Feb. 13, 1996 |
| 5,625,198 | Chigira | Apr. 29, 1997 |
| 5,651,479 | Bates | July 29, 1997 |
| 5,769,269 | Peters | June 23, 1998 |

DOCKET NO. 13039:90 DIV (CRAN18-00090)
 U.S. SERIAL NO. 10/796,428
 DIVISIONAL PATENT

| <u>U.S. PATENT NO.</u> | <u>INVENTOR</u> | <u>DATE</u> |
|------------------------|-----------------|----------------|
| 5,813,568 | Lowing | Sept. 29, 1998 |
| 5,831,862 | Hetrick et al | Nov. 3, 1998 |
| 5,847,389 | Mertins et al | Dec. 8, 1998 |
| 5,884,806 | Boyer et al | Mar. 23, 1999 |
| 5,927,539 | Truitt et al | July 27, 1999 |
| 5,992,030 | Mann | Nov. 30, 1999 |
| 6,064,921 | Pippin et al | May 16, 2000 |
| 6,098,524 | Reese | Aug. 8, 2000 |
| 6,202,888 | Pollock et al | Mar. 20, 2001 |
| 6,269,285 | Mignault | July 31, 2001 |
| 6,324,520 | Walker et al | Nov. 27, 2001 |
| 6,330,958 | Ruskin et al | Dec. 18, 2001 |
| 6,354,716 | Chen et al | Mar. 12, 2002 |
| 6,384,402 | Hair, III et al | May 7, 2002 |
| 6,478,187 | Simson et al | Nov. 12, 2002 |
| 6,540,102 | Gates et al | Apr. 1, 2003 |
| 6,640,994 | Chen | Nov. 4, 2003 |
| 6,675,985 | Sato et al | Jan. 13, 2004 |
| 2001/0000408 A1 | Hair, III et al | Apr. 26, 2001 |
| 2001/0000610 A1 | Johnson | May 3, 2001 |
| 2002/0117509 A1 | Whitten et al | Aug. 29, 2002 |
| 2002/0179620 A1 | Mason, II | Dec. 5, 2002 |
| 2002/0195458 A1 | Whitten et al | Dec. 26, 2002 |

| <u>U.S. PATENT NO.</u> | <u>INVENTOR</u> | <u>DATE</u> |
|------------------------|-----------------|---------------|
| 2003/0084959 A1 | Hartnell et al | May 8, 2003 |
| 2003/0155367 A1 | Chen | Aug. 21, 2003 |

Foreign Patents

| <u>PATENT NO.</u> | <u>COUNTRY</u> | <u>DATE</u> |
|-------------------|----------------|---------------|
| DE 200 06 317 U1 | Germany | Nov. 23, 2000 |
| EP 0 053 489 | Europe | June 9, 1982 |
| EP 0 432 996 | Europe | June 19, 1991 |
| EP 0 462 591 | Europe | Dec. 27, 1991 |
| EP 0 535 856 | Europe | Apr. 7, 1993 |
| JP 02-257386 | Japan | Oct. 18, 1990 |
| JP 09-326075 | Japan | Dec. 16, 1997 |
| WO 99/56255 | PCT | Nov. 4, 1999 |

Publications

“Wurlitzer,” Deutsche Wurlitzer GmbH, A Division of Nelson Group of Companies, Sydney, Australia, 7 pages.

“NAIS,” Worldwide Matsushita Brand, 3 pages.

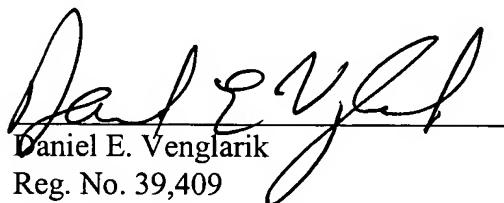
“SUNX,” 1996 Condensed, 2 pages.

DOCKET NO. 13039:90 DIV (CRAN18-00090)
U.S. SERIAL NO. 10/796,428
DIVISIONAL PATENT

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

Respectfully submitted,

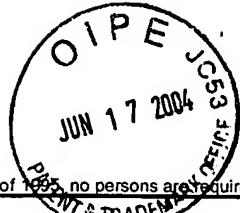
DAVIS MUNCK, P.C.



Daniel E. Venglarik
Reg. No. 39,409

Date: 6-15-04

P.O. Drawer 800889
Dallas, Texas 75380
Phone: (972) 628-3600
Fax: (972) 628-3616
email: dvenglarik@davismunck.com



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

PATENT & TRADEMARK

OFFICE

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | 10/796,428 |
| Filing Date | March 9, 2004 |
| First Named Inventor | David B. Whitten |
| Art Unit | 3629 |
| Examiner Name | (Not Yet Assigned) |

Attorney Docket Number 13039:90Div (CRAN18-00090)

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| AA | US- 645,499 | | 03/13/1900 | Vogel | |
| AB | US- 2,571,283 | | 10/16/1951 | Nicholson | |
| AC | US- 2,590,736 | | 03/25/1952 | Tandler et al | |
| AD | US- 2,900,521 | | 08/18/1959 | Eames | |
| AE | US- 3,025,406 | | 03/13/1962 | Stewart, et al | |
| AF | US- 3,235,738 | | 02/15/1966 | Kress, et al | |
| AG | US- 3,461,922 | | 08/19/1969 | Niehaus, et al | |
| AH | US- 3,704,396 | | 11/28/1972 | Macdonald | |
| AI | US- 3,723,737 | | 03/27/1973 | Zeldman, et al | |
| AJ | US- 3,742,222 | | 06/26/1973 | Endl | |
| AK | US- 3,746,863 | | 07/17/1973 | Pronovost | |
| AL | US- 3,805,061 | | 04/16/1974 | De Missimy, et al | |
| AM | US- 3,889,118 | | 06/10/1975 | Walker | |
| AN | US- 3,901,366 | | 08/26/1975 | Schuller, et al | |
| AO | US- 4,108,333 | | 08/22/1978 | Falk, et al | |
| AP | US- 4,174,742 | | 11/20/1979 | Murphey | |
| AQ | US- 4,252,250 | | 02/24/1981 | Toth | |
| AR | US- 4,266,124 | | 05/05/1981 | Weber, et al | |
| AS | US- 4,310,756 | | 01/12/1982 | Sick, et al | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ "Number" "Kind Code ⁴ (if known) | | | | |
| AT | DE 200 06 317 U1 | | 10/19/2000 | Stiefel GmbH | | |
| AU | EP 0 053 489 A1 | | 06/09/1982 | VGL Industries | | |
| AV | EP 0 432 996 A1 | | 06/19/1991 | Maygay Machines | | |
| AW | EP 0 462 591 A1 | | 12/27/1991 | Sanyo Electric | | |
| AX | EP 0 535 856 A2 | | 04/07/1993 | Unidynamics Corp. | | |
| AY | JP 02-257386 | | 10/18/1990 | Kubota Ltd. | | |

| | | |
|--------------------|--|-----------------|
| Examiner Signature | | Date Considered |
|--------------------|--|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

| | | | | | |
|-------|---|----|---|------------------------|----------------------------|
| Sheet | 2 | of | 5 | Attorney Docket Number | 13039:90Div (CRAN18-00090) |
|-------|---|----|---|------------------------|----------------------------|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | BA | "Wurlitzer," Deutsche Wurlitzer GmbH, A Division of Nelson Group of Companies, Sydney, Australia, 7 pages. | |
| | BB | "NAIS," Worldwide Matsushita Brand, 3 pages. | |
| | BC | "SUNX," 1996 Condensed, 2 pages. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

3

of

5

| | |
|----------------------|--------------------|
| Application Number | 10/796,428 |
| Filing Date | March 9, 2004 |
| First Named Inventor | David B. Whitten |
| Art Unit | 3629 |
| Examiner Name | (Not Yet Assigned) |

Attorney Docket Number 13039:90Div (CRAN18-00090)

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| CA | US- 4,359,147 | | 11/16/1982 | Levasseur | |
| CB | US- 4,412,607 | | 11/01/1983 | Collins et al | |
| CC | US- 4,480,764 | | 11/06/1984 | Takagi et al | |
| CD | US- 4,494,675 | | 01/22/1985 | Stutsman | |
| CE | US- 4,573,606 | | 03/04/1986 | Lewis et al | |
| CF | US- 4,590,975 | | 05/27/1986 | Credle, Jr. | |
| CG | US- 4,776,487 | | 10/11/1988 | Kurosawa et al | |
| CH | US- 4,869,392 | | 09/26/1989 | Moulding, Jr. et al | |
| CI | US- 4,871,054 | | 10/03/1989 | Murray | |
| CJ | US- 4,888,532 | | 12/19/1989 | Josson | |
| CK | US- 4,912,316 | | 03/27/1990 | Yamakawa | |
| CL | US- 5,015,840 | | 05/14/1991 | Blau | |
| CM | US- 5,111,962 | | 05/12/1992 | Oden | |
| CN | US- 5,139,127 | | 08/18/1992 | Ficken et al | |
| CO | US- 5,201,429 | | 04/13/1993 | Hikosaka et al | |
| CP | US- 5,207,784 | | 05/04/1993 | Schwartzendruber | |
| CQ | US- 5,229,749 | | 07/20/1993 | Yenglin | |
| CR | US- 5,238,145 | | 08/24/1993 | Pippin | |
| CS | US- 5,261,467 | | 11/16/1993 | Yamamoto et al | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| CT | JP 09-326075 | | 12/16/1997 | Shibaura Eng Works | | |
| CU | WO 99/56255 | | 11/04/1999 | Automated Merchandising | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | |
|--------------------|--|-----------------|
| Examiner Signature | | Date Considered |
|--------------------|--|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

4

of

5

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | 10/796,428 |
| Filing Date | March 9, 2004 |
| First Named Inventor | David B. Whitten |
| Art Unit | 3629 |
| Examiner Name | (Not Yet Assigned) |

Attorney Docket Number 13039:90Div (CRAN18-00090)

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| DA | US- 5,273,183 | | 12/28/1993 | Tuttobene | |
| DB | US- 5,276,391 | | 01/04/1994 | Jonsson | |
| DC | US- 5,280,845 | | 01/25/1994 | Leight | |
| DD | US- 5,303,844 | | 04/19/1994 | Muehlberger | |
| DE | US- 5,344,043 | | 09/06/1994 | Moulding et al | |
| DF | US- 5,346,466 | | 09/13/1994 | Yerlikaya et al | |
| DG | US- 5,390,711 | | 02/21/1995 | Murphrey | |
| DH | US- 5,490,610 | | 02/13/1996 | Pearson | |
| DI | US- 5,625,198 | | 04/29/1997 | Chigira | |
| DJ | US- 5,651,479 | | 07/29/1997 | Bates | |
| DK | US- 5,769,269 | | 06/23/1998 | Peters | |
| DL | US- 5,813,568 | | 09/29/1998 | Lowing | |
| DM | US- 5,831,862 | | 11/03/1998 | Hetrick et al | |
| DN | US- 5,847,389 | | 12/08/1998 | Mertins et al | |
| DO | US- 5,884,806 | | 03/23/1999 | Boyer et al | |
| DP | US- 5,927,539 | | 07/27/1999 | Truitt et al | |
| DQ | US- 5,992,030 | | 11/30/1999 | Mann | |
| DR | US- 6,064,921 | | 05/16/2000 | Pippin et al | |
| DS | US- 6,098,524 | | 08/08/2000 | Reese | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

5

of

5

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | 10/796,428 |
| Filing Date | March 9, 2004 |
| First Named Inventor | David B. Whitten |
| Art Unit | 3629 |
| Examiner Name | (Not Yet Assigned) |

Attorney Docket Number 13039:90Div (CRAN18-00090)

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| EA | US- 6,202,888 | | 03/20/2001 | Pollock et al | |
| EB | US- 6,269,285 | | 07/31/2001 | Mignault | |
| EC | US- 6,324,520 | | 11/27/2001 | Walker et al | |
| ED | US- 6,330,958 | | 12/18/2001 | Ruskin et al | |
| EE | US- 6,354,716 | | 03/12/2002 | Chen et al | |
| EF | US- 6,384,402 | | 05/07/2002 | Hair, III et al | |
| EG | US- 6,478,187 | | 11/12/2002 | Simson et al | |
| EH | US- 6,540,102 | | 04/01/2003 | Gates et al | |
| EI | US- 6,640,994 | | 11/04/2003 | Chen | |
| EJ | US- 6,675,985 | | 01/13/2004 | Sato et al | |
| EK | US- 2001/0000408 A1 | | 04/26/2001 | Hair, III et al | |
| EL | US- 2001/0000610 A1 | | 05/03/2001 | Johnson | |
| EM | US- 2002/0117509 A1 | | 08/29/2002 | Whitten et al | |
| EN | US- 2002/0179620 A1 | | 12/05/2002 | Mason, II | |
| EO | US- 2002/0195458 A1 | | 12/26/2002 | Whitten et al | |
| EP | US- 2003/0084959 A1 | | 05/08/2003 | Hartnell et al | |
| EQ | US- 2003/0155367 A1 | | 08/21/2003 | Chen | |
| | US- | | | | |
| | US- | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.